

ABSTRACT OF THE DISCLOSURE

A ratchet paw module structure is disclosed. The module comprises a ratchet block seat and a ratchet seat, the ratchet block seat including a ratchet block module and the ratchet seat having a series of ratchet teeth

5 corresponding to the ratchet paw module allowing the ratchet seat to engage or disengage correspondingly, characterized in that the ratchet block seat includes at least two groups of ratchet block modules, and each of the ratchet blocks of the ratchet block module have a distance, and the ratchet block is positioned in adjacent to the ratchet block module and the engaging position of the ratchet

10 teeth on the ratchet seat is displaced eccentrically within the range of one ratchet teeth width; whereby when the ratchet block engages the ratchet teeth, the subsequent ratchet block is displaced eccentrically within the range of the ratchet teeth to minimize the reverse distance of rotation. The structure reduces the distance at a disengagement position to an engaging position and

15 this minimized the distance of disengagement of the ratchet paw.